Abstract

Land mass transportation system which move on the railway have the quality of mass and proven to be very effective and efficient to carried out the duty about the needs of transportation especially when the peak season like Idul Fitri, New Years Eve and holiday.

The improvement in Juanda Airport in Surabaya from National Airport and become an International Airport will cause an increasing transportation activity from and towards the airport. If this improvement is not followed by the improvement in transportation system in Surabaya then it will make Juanda unable to functioned like it should, Because the road system in Surabaya is too crowded, that’s will disturb the transportation activity from and toward the Airport. And the option of alternative is to design transportation system which would not weigh up the density in road system in Surabaya, which is Railway System.

The analysis result is the feasible corridor to build up railway transportation system is alternative that resemble the path of the middle ring road and we use Light Rail Transit as it’s railway transportation system.

Keyword : Railway Transportation, Railpath, Light Rail Transit.